

Carbon Reduction Plan

Supplier name: Fortem Solutions Limited

Publication date: 01/07/2025

Commitment to achieving Net Zero

Fortem Solutions Limited (Fortem) is committed to achieving Net Zero by 2050.

In addition, the company has made further commitments to go beyond this:

- Fortem is aiming to be a zero carbon in operation without offsetting by 2030
- Fortem will achieve net zero carbon across its tier 1 supply chain by 2040

Fortem's operations cover all Scope 1 and Scope 2 sources plus selected Scope 3 sources where the company has the greatest level of control and can report with confidence. Fortem's operational greenhouse gas emissions (CO₂e) are offset using carbon credits.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2024	
Additional Details relating to the Baseline Emissions calculations.	
Fortem has changed its baseline measurement year from 2022 to 2024. The business experienced a period of accelerated growth between 2022 and 2024 with turnover increasing by c.60%, during this time limited action has been taken to reduce emissions. The launch of the 'FOR Our Future' strategic plan provides a clear direction for the business and includes our operational carbon reduction ambitions. The change in baseline will coincide with submitting our carbon targets to the Science-Based Targets initiative for validation. Fortem achieved a 36.4% reduction in carbon emissions intensity (CO ₂ e/turnover) for the period 2019 – 2024. Absolute emissions increased by 21.4%, due to business growth.	
Baseline year emissions: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,490
Scope 2	251
Scope 3 (Included Sources)	Business travel (grey fleet and train travel) - 433 Employee commuting (grey fleet and train travel) - 100 Emissions from purchased goods and services - 50,046

	Emissions from waste - 29 Transmission and distribution losses - 14
Total Emissions	54,363

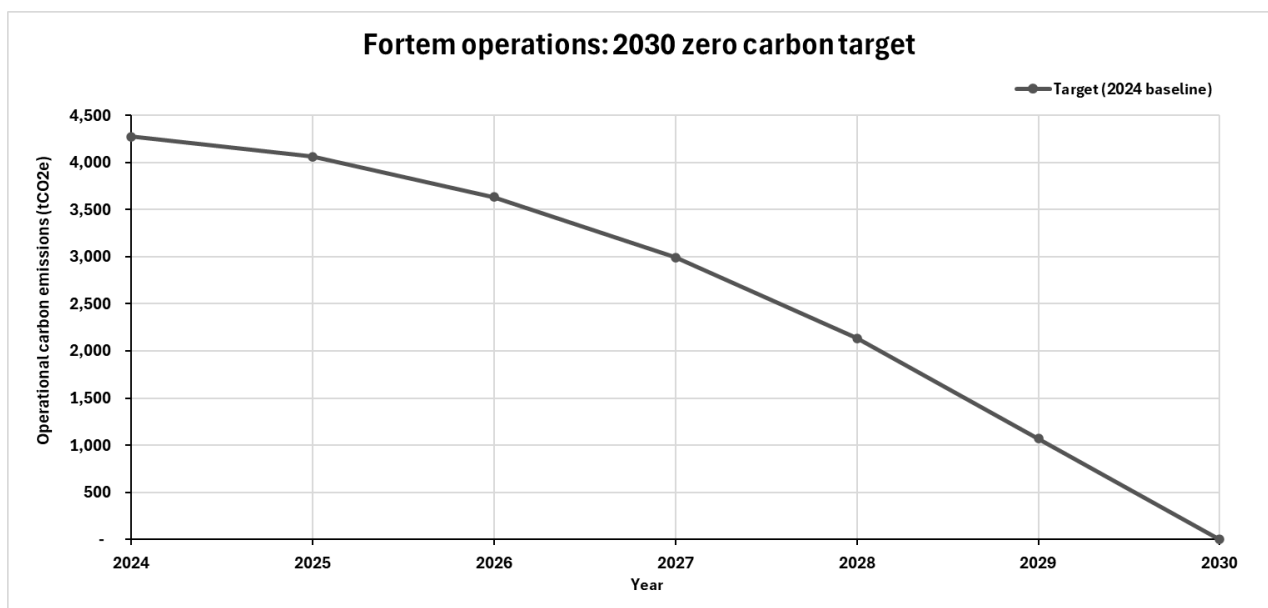
Current Emissions Reporting

Reporting Year: 2024	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	3,490
Scope 2	251
Scope 3 (Included Sources)	Business travel (grey fleet and train travel) - 433 Employee commuting (grey fleet and train travel) - 100 Emissions from purchased goods and services - 50,046 Emissions from waste - 29 Transmission and distribution losses - 14
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For more information, see Appendix A.

Emissions Reduction Targets

Fortem has set milestones and a reduction trajectory with annual targets, as shown in graph below.



We have adopted the following targets to deliver operational carbon reductions:

- Transition 60% of our fleet by to zero-emission vehicles by 2027 and, the remaining vehicles by 2030 where the necessary infrastructure permits
- Sites, depots and offices to be fossil fuel free by 2030
- Procure only certified natural renewable energy

Until emissions are reduced to zero, Fortem will continue to offset its unavoidable emissions. These are offset by voluntarily investing in Gold Standard or equivalent projects overseas which reduce emissions by the same amount. All of the projects undergo a rigorous assessment to ensure that they achieve measurable and permanent reductions in emissions.

Carbon Reduction Projects

Fortem's 2030 sustainability strategy was launched 2023 stating Fortem's ambition to become a zero-carbon company without any offsetting by 2030. Further information on both the strategy and achievements will be published on Fortem's website. The following measures and projects have been completed or implemented.

These reduction measures will be in place when performing the contract.

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented:

Initiative	
Governance	
<i>Carbon Management</i>	Certification to ISO 14001:2015 (recertified to 2015 standard in 2016)
<i>External assurance</i>	Fortem Solutions Limited carbon emissions are independently verified
Transport	
<i>Commercial fleet</i>	Telematics tracking installed to promote fuel efficient driver behaviour
	Planners use estimated travel time information to schedule the most efficient sequence of properties for operatives
	Developed implementation plan to increase ZEVs in fleet
	Use of the Reconomy Tipping App to reduce travel to recycling facilities
<i>Company and Grey Fleet</i>	Salary sacrifice scheme to support people to get low-carbon lease cars. The list of available vehicles is restricted by a carbon emissions cap and electric vehicles are incentivised.
	Pay at the Approved Mileage Allowance Payment (AMAP) rate for diesel and petrol and above AMAP rate for EVs
	Electric Vehicle Charge Point claim to enable employees to be reimbursed for procurement and installation of EV charge points
<i>Other</i>	Public transport commuting reimbursed at same rate as commuting by car
	Car share reimbursement
	Bicycle mileage reimbursement
Energy use	
<i>Electricity procurement</i>	Procurement of 100% natural renewable electricity
<i>Office refurbishment</i>	Refurbishments to head office and local offices which include energy efficiency improvements and switching from gas to electric heating

Operations	
<i>Remote diagnosis</i>	Remote surveying and assistance to accurately diagnose issues and programme tasks without the need for in-person visits, reducing associated transport emissions
<i>Gaining access</i>	Customer sent SMS and email reminders of appointments ahead of time and provided with access to self-service portals and On My Way tracking, reducing transport emissions from wasted journeys
<i>Improving first time fix rates</i>	Multi-skilled operatives deployed to reduce transport emissions from repeat visits
	Operative's vehicles stocked with most used materials to reduce number of visits to suppliers
<i>Hybrid working</i>	Upgrade of IT to support widespread video conferencing, to reduce employee commuting and business travel emissions
<i>Digital cleansing</i>	Reducing storage and processing requirements by removing duplicate files and moving to cloud-based solutions, reducing energy demand from servers

Future Carbon Reduction initiatives

Fortem maintains a forward plan of carbon emissions reduction projects and interventions, which are reviewed on an annual basis. These include:

- Energy procurement
 - An ongoing commitment to procuring 100% natural renewable electricity and seeking greener electricity suppliers who can demonstrate additionality in their supply.
- Transport
 - Transition to a zero-emission fleet
 - Installation of electric vehicle charging points at suitable offices, construction sites and homes
 - Upgrade of telematics system to provide advanced driver efficiency insight and training
- Operational efficiency
 - Automate the stocking of vans to reduce travel distance to suppliers
 - Plan work using dynamic scheduling software to optimise travel
- Construction sites
 - Eliminate diesel in favour of natural renewable electricity of alternative fuels such as HVO
 - Use fuel efficient plant and machinery such as hybrid generators and low energy site welfare

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹

¹<https://ghgprotocol.org/corporate-standard>

and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

A handwritten signature in black ink, appearing to read 'A. Trevelyan', with a long horizontal flourish extending to the right.

Date: 01/07/2025

²<https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³<https://ghgprotocol.org/standards/scope-3-standard>

Appendices

Appendix A

Fortem emissions breakdown

Baseline year: 2024

Source	Emissions (tCO ₂ e)	Emissions by scope (tCO ₂ e)	Emissions by footprint (tCO ₂ e)
Scope 1: Site & office gas, site diesel	152	Total Scope 1 & 2: 3,741	Operational emissions: 4,274
Scope 1: Business and commute travel from company cars	3,338		
Scope 2: Emissions from purchased electricity ⁴	251		
Scope 3: Business and commute travel from grey fleet	433	Total Scope 3: 50,622	Supply chain emissions: 50,075
Scope 3: Employee train travel	100		
Scope 3: Emissions from purchased goods and services ⁵	50,046		
Scope 3: Waste generated in operations (not including wastewater)	29		
Scope 3: T&D losses ⁶	14		Other Scope 3 emissions: 14
TOTAL EMISSIONS			54,363
Outside of scope emissions from bio-fuels		11	Not within scope
Scope 2: Emissions from purchased electricity (location based method & including customer procured electricity)		160	Not included – market-based method used above

Reporting year: 2024

Source	Emissions (tCO ₂ e)	Emissions by scope (tCO ₂ e)	Emissions by footprint (tCO ₂ e)
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⁴ Includes energy directly paid for by Fortem and emissions from electricity use the market-based methodology to convert kWh to carbon

⁵ Emissions from upstream transportation and distribution are included within this figure

⁶ This includes T&D losses for electricity from the charging of electric vehicles